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Innovative systems and methods for visualizing information collected from analyzing samples are provided. The samples may include nucleic acids, proteins, or other polymers. Gene expression level as determined from analysis of a nucleic acid sample is one possible analysis result that may be visualized. In one embodiment, a computer system may display the expression levels of multiple genes simultaneously in a way that facilitates user identification of genes whose expression is significant to a characteristic such as disease or resistance to disease. Additionally, the computer system may facilitate display of further information about relevant genes once they are identified.